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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/853,634	05/14/2001	Masaaki Nishino	Q64483	7274

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Washington, DC 20037

EXAMINER
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AMINI, JAVID A

ART UNIT	PAPER NUMBER
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2672

DATE MAILED: 01/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/853,634

**Applicant(s)**

NISHINO, MASAOKI

**Examiner**

Javid A Amini

**Art Unit**

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 14 September 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☐ Claim(s) \_\_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

***Response to Arguments***

Applicant's arguments with respect to claims 1-8 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

The term "a front porch and a back porch" in claim 2 is a relative term which renders the claim indefinite. The term "a front porch and a back porch" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-8 rejected under 35 U.S.C. 103(a) as being unpatentable over Herbert (U.S. 6,014,125), and further in view of Ahmed et al. (U.S. 6,774,912), (hereinafter referred as Ahmed).

1. Claim 1.

An information displaying system, comprising:

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Herbert in fig. 2 item 25 teaches the step of "an A/D converting means for converting analog RGB signals inputted from a first input terminal to first digital RGB signals;" In col. 4 lines 44-47 teaches pixel values are used to directly control D/A converters for analog red, green and blue outputs. This is a "direct color" mode. The following step of "a selecting means for selecting either second digital RGB signals inputted from a second input terminal or said first digital RGB signals based on the inputted order, and for outputting third digital RGB signals being selected digital RGB signals;" is actually one type of signal (digital RGB) see fig. 4 in the specification. However, Herbert in fig. 13 illustrates two RGB signals. The step of "a screen mixing means comprising;" see fig. 13 of Herbert. The steps of "a first memory for storing said third digital RGB signals, and a second memory for storing digital information data inputted from a third input terminal, said screen mixing means detecting sizes of said third digital RGB signals and said digital information data, calculating designated control information, mixing said digital information data with said third digital RGB signals, generating a synchronization signal based on said designated control information, reading said third digital RGB signals from said first memory and said digital information data from said second memory based on said synchronization signal, and forming displaying data by mixing said third digital RGB signals read from said first memory and said digital information data read from said second memory, so that said digital information data are displayed without overlap at outsides of a displaying region of said third digital RGB signals, in one or more regions at least one of an upper, a lower, a right and a left side of said displaying region;" illustrated by Herbert in figs. 5-8, but Herbert does not explicitly specify without overlap of a displaying image. Examiner's comment: Applicant should specify the dimensions/conditions of the displaying region and

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portion of the region. The step of “a displaying means for displaying said displaying data, the regions for displaying said digital information being at an edge of said displaying means.”

Ahmed in fig. 4 box 70 illustrates a picture and other windows being at the edge of displaying.

Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Ahmed into Herbert in order to modify Herbert's invention with Fig. 2 of Ahmed that illustrates the YUV pixel path within CRT1 includes a FIFO 13, a scaler 14 and a color space converter 15 in order to convert the YUV pixel format data into RGB pixel format data for the purposes of the subsequent overlaying or blending and scaling to fit the window if necessary. Also above all that Herbert uses two scan line with two different clocks A and B see figs. 3-4, 9. It means the video portion in fig. 7 can run on clock A and the graphics portion that can be digital information can run on clock B.

2. Claim 2.

An information displaying system in accordance with claim 1, wherein: said designated control information comprises a dot clock frequency, a horizontal synchronizing frequency, a vertical synchronizing frequency, a front porch, a back porch, and a pulse width, so that said displaying data are displayed on said displaying means. Herbert in figs. 5, 6 and 9 illustrates clock frequency, a horizontal frequency, a vertical frequency and a pulse width. Applicant needs to provide specific definition for the following terms: a front porch and a back porch.

3. Claim 3.

An information displaying system in accordance with claim 1, wherein; said screen mixing means forms said displaying data comprising digital information data displayed on at least one region of at least one of upper, lower, right, and left end parts which are outside of said

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displaying region of said third digital RGB signals. Herbert in fig. 12 illustrates an adder item 210 that mixing the displaying data.

4. Claim 4.

An information displaying system in accordance with claim 1, wherein said screen mixing means outputs said displaying data by applying scaling to said displaying data so that said displaying data correspond to the resolution of said displaying means. Herbert in fig. 12 item 215 illustrates the limitations in this claim.

5. Claim 5.

An information displaying system in accordance with claim 1, wherein: said screen mixing means outputs said displaying data by converting said displaying data to analog RGB signals. Herbert in fig. 2 item 25 illustrates the limitation.

6: Claim 6.

An information displaying system in accordance with claim 1, further comprising a D/A converting means for converting said displaying data to analog RGB signals. Herbert in fig. 2 item 25 illustrates the limitation.

7. Claims 7, 8.

The rejection of claim 1 applies to the rejection of claims 7-8. Applicant in last three lines in claim 8 uses the term "password information" that Examiner interpreted as similar to digital information data in the claims 1 and 7.

***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Javid A Amini whose telephone number is 703-605-4248. The examiner can normally be reached on 8-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on 703-305-4713. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Javid A Amini  
Examiner  
Art Unit 2672

Javid Amini

*Jeffery A. Brier*  
JEFFERY BRIER  
PRIMARY EXAMINER